

Derek Ni

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<https://derekni.com> | <https://github.com/derekni>

Summary

Sophomore at Cornell University pursuing a Bachelor of Science degree in Computer Science with experience in app development and highly interested in artificial intelligence and virtual reality.

Education

Cornell University

B.S. Computer Science, GPA: 4.13

Courses taken: OO Programming & Data Structures, Discrete Structures, Intro to Backend Development, Functional Programming, and Probability & Statistics.

Ithaca, New York

Graduating May 2023

Thomas Jefferson High School for Science and Technology

GPA: 4.48 (weighted), 3.88 (unweighted); SAT: 1580/1600

Webmaster of Mobile Apps Club, Captain of Varsity Tennis Team, National AP Scholar, and National Merit Finalist.

Alexandria, Virginia

Graduated June 2019

Experience

MITRE

Cyber Security Intern

Wrote Python and shell scripts to evaluate results from 5 synthetic audio machine learning models, tested audio identification on real and synthetic audio, and generated synthetic images using GANs.

May 2020 – August 2020

Cornell ACSU

Academic Officer

Plan and hold academic events like mock interviews and coding workshops for Cornell ACSU.

October 2019 - Present

Southgate GIVE

Center Manager

Managed scheduling, communication and tutoring for tutoring program at local community center.

September 2015 - June 2019

Monster Roll

Employee

Part-time job making rolled ice cream and bubble tea.

January 2018 - July 2019

Projects

Jimmy Jumper

A mobile runner game where the player runs and jumps on platforms in the sky. Coded using C# in Unity.

Johnny Jumper

A mobile jumping game where the player jumps on platforms to reach the sky. Coded using JavaScript in Phaser.

TaskTime

Productivity app to motivate users to complete to-dos through a points system. Coded using Swift in XCode.

Skills & Interests

Skills: Python, Java, C#, Swift, JavaScript, HTML and SQL

Interests: Reading, tennis, piano, podcasts and running